

<110> Searle/Monsanto
 Phippard, Deborah
 Vasanthakamur, Geetha
 Dotson, Stanton
 Ma, Xiao-Jun

<120> Osteoarthritis tissue-derived nucleic acids, polypeptides,
 vectors, and cells

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<212> DNA
<213> Homo sapiens

<223> unsure at all n locations
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2559

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 <211> 981
 <212> DNA
 <213> Homo sapiens

<400> 22

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 <212> DNA
 <213> Homo sapiens

<400> 23

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 <212> DNA
 <213> Homo sapiens

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 <211> 1642
 <212> DNA
 <213> Homo sapiens

<400> 25
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20

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<210> 26
<211> 163
<212> DNA
<213> Homo sapiens

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<400> 26

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<210> 27
<211> 1746
<212> DNA
<213> Homo sapiens

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<223> unsure at all n locations
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<210> 28
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<212>      DNA
<213>      Homo sapiens

<400>      29
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 <211> 2263
 <212> DNA
 <213> Homo sapiens

<223> unsure at all n locations
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<210> 52
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 52

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ccacaacccc ctgaaaagca tcccggacaa tgccttccag tcctttggca gatacctgga 180
gacctctctg ctggacaaca ccaacctgga gaagttctca gatggtgcct tcctgggtgt 240
aaccacgctg aaacacgtcc atttgagaa caaccgcttg a 281

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<210> 53
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 53

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gcagcccccc ggcgtacgct acgctgacgg tgaagccctc cagccccgcg cggctgctca 180
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<210> 54
 <211> 2723
 <212> DNA
 <213> Homo sapiens

<400> 54

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 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 55

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 cccagaactg ccaactgccac agcgacctgc agcacgtcat ctgcgacaag gtggggctgc 180
 agaagatccc caaggtgtca gagaagacca agctgctcaa cctacagcgc aacaacttcc 240
 cgggtgctggc tgccaattcg ttccggggcca tgccgaacct cgtgtcattg cacctgcagc 300
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<210> 56
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 56

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 actgactgct tatggaaaag aacagataat gatatccgtc tcttgcctcc acccaccact 180
 caatgtaact ttctgccatg aacataacca gccacacata aactgtctgc agaaaaggaa 240
 gttccatcct ataagcttgg caggaggata aaga 274

<210> 57
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 57

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 cacaaaacta atcattattt aaagttattt ccg 153

<210> 58

<211>	225	
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tcccccaaaa	aacgaaacaa	aacaaaaaaa caaccttttt aagagttgat ggctactcat 180
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<212>	DNA	
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gaatcattat	ttttttccca	aggagaaaac cggggtaaag ggaggggaagc aattcaattt 180
gaagtccctg	tgaatgggct	ttcagaaggc aattaaagaa atccactcag agaggacttg 240
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gttgggcaa	at	gtcaggacca ggttaagtga ctggcagaaa aacttccagg tggacaacagc 360
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<210>	61	
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<212>	DNA	
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<223>	unsure at all n locations	
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gccactaggc	tgtgtccca	agtcagtgtc acccagtga caggcattac cccacatct 180
ggaaccagcc	tggccccaag	ggctacggca taactcagta ccaggtagag ttggccccac 240
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gctggctatc	cttaa	atcct t 321
<210>	62	
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<212>	DNA
<213>	Homo sapiens
<400>	62
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attttactac acctttactt tggaaaactt caaacctgta ctaaaataga atagggcagt	180
gaacctccct gctgcaccc atcactcagc gtcaacattg atcaactcat gggcaatctt	240
gttttatcta tt	252
<210>	63
<211>	218
<212>	DNA
<213>	Homo sapiens
<400>	63
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tgtgctcatg tgggagtaca gatgtgtata tacagacatg tacattttta aagacttggt	120
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<210>	64
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<213>	Homo sapiens
<400>	65
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ttcatatttg ccaaaatttt tgtaaaccct gtcttgtaa ataagtgtat aatattgtat	180
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 ttc 243

<210> 67
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 67
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 ttcattgaac agttatatag tgctttggaa gtatcaagtc ctgtgctaaa taaatgctgg 180
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<210> 68
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 68
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 tagtcatatg ttcttttaga actttacact tctattcttt attgccctgt attataattg 180
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<210> 69
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 69
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 ttcaagcagt caatcatttg tcaactatat tgctttttta aaccagctt tacatggaag 180
 gaataaatgg aactccag 198

<210> 70
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 <212> DNA
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<400> 70
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<210> 71
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 71
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 ccaccagatt cctccctcag tatcacatta tttttttctt ctgcttttca ttaacctaac 180
 tcattctatc agtacaacca ttttcttatt ctctaa 216

<210> 72
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 72
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<210> 73
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 73
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 cagccactgt gccttttttt ctgtgaagac tcaacggatg tgtgtgtttg tatgtttgtt 180
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<210> 74
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 74
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<210> 75
 <211> 283
 <212> DNA
 <213> Homo sapiens

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 aactacctgg gcccccttt caacgagcca gacttcaacc ctc 283

<210> 76
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 76
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<210> 77
 <211> 669
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 78

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 caaattcttg atctgcagct tctctgaagt ttggaaaaga aaccttcctt tctggagttt 420
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 acaact 486

<210> 79
 <211> 752
 <212> DNA
 <213> Homo sapiens
 <223> unsure at all n locations
 <400> 79

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<210> 80
 <211> 552
 <212> DNA
 <213> Homo sapiens
 <223> unsure at all n locations
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 atatatacta aaatactgat tatcttaatc acattttccc cagagataaa cattgagaga 240
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<210> 81
 <211> 135
 <212> DNA
 <213> Homo sapiens

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<210> 82
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 82
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 ctatctgctg tetgctgaag gagccctgtc tgtgtgccca aggaagtgc atccttgcca 180
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